

In re Patent Application of:

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the adjusting device 3 controls the opening or closing of the control valves of the two kinds of pressure controlling modes by a screw element. In such a way, the present invention introduces a multi-pipe circulating flow pressure controlling mode for [[by]] the multi-pipe circulating flow pressure controller ~~controlling means~~ 1 and a single-pipe bi-directional flow pressure controlling mode for [[by]] the single-pipe bi-directional flow pressure controller ~~controlling means~~ 2, and one of said pressure controlling modes is selected to be opened or closed alternately by the adjusting device 3 ~~a screw element~~. The multi-pipe circulating flow pressure controller ~~controlling means~~ 1 or the single-pipe bi-directional flow pressure controller ~~controlling means~~ 2 of the present invention could be a pressure controller ~~controlling means~~ for liquid or gas flow.

[20] In practical use, the number of the disc-shaped adjusting heads 311 may be set corresponding to the number of the ball valves to be controlled.<sup>[21]</sup> In this embodiment ~~are described in details~~ the ~~principle,~~ structure and working process of the two pressure controlling modes adopted in the pressure controller A are described, namely the multi-pipe circulating flow pressure controlling mode and the single-pipe bi-directional flow pressure controlling mode. Similarly, the pressure controller A could adopt two different kinds or more than two kinds of pressure controlling modes as well. As for the principle and structure, they are the same as or similar to the above description, which could be implemented by a technical person in this field without creative work. Therefore, it is not necessary to describe in details here.

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